

Title (en)
PROCESS FOR PRODUCING A CROSSLINKED CELLULOSE ETHER

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES VERNETZTEN CELLULOSEETHERS

Title (fr)
PROCÉDÉ DE PRODUCTION D'UN ÉTHER DE CELLULOSE RÉTICULÉ

Publication
EP 3962959 A1 20220309 (EN)

Application
EP 20724663 A 20200417

Priority
• US 201962841383 P 20190501
• US 2020028671 W 20200417

Abstract (en)
[origin: WO202223039A1] A process for producing a crosslinked cellulose ether including the steps of (i) contacting at least one cellulose material with a mixture comprising (ia) at least one crosslinking agent and (ib) at least one alkalization reagent to form an activated cellulose material; and (ii) contacting the activated cellulose material of step (i) with at least one etherification reagent; wherein the at least one etherification reagent reacts with the activated cellulose material to form the crosslinked cellulose ether; and a crosslinked cellulose ether produced by the above process.

IPC 8 full level
C08B 11/02 (2006.01); **C08B 11/08** (2006.01); **C08B 15/00** (2006.01)

CPC (source: EP KR US)
C04B 24/383 (2013.01 - EP KR); **C04B 24/386** (2013.01 - US); **C04B 28/02** (2013.01 - EP); **C04B 28/023** (2013.01 - KR); **C04B 28/14** (2013.01 - EP KR); **C04B 40/0608** (2013.01 - KR); **C08B 11/02** (2013.01 - EP KR); **C08B 11/08** (2013.01 - EP KR US); **C08B 11/20** (2013.01 - KR); **C08B 15/005** (2013.01 - EP KR US); **C04B 2103/0062** (2013.01 - KR)

Citation (search report)
See references of WO 2020223039A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2020223039 A1 20201105; CN 113710708 A 20211126; EP 3962959 A1 20220309; JP 2022530342 A 20220629; KR 20220002549 A 20220106; US 2022127381 A1 20220428

DOCDB simple family (application)
US 2020028671 W 20200417; CN 202080028098 A 20200417; EP 20724663 A 20200417; JP 2021561034 A 20200417; KR 20217038837 A 20200417; US 202017310470 A 20200417